

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: March 1, 2001, 15:49:34 ; Search time 140.11 Seconds
(without alignments)
8.843 Million cell updates/sec

Title:	US-09-331-631A-3_COPY_117_185
Perfect score:	384
Sequence:	1 NRGKDPQQYEQCQERQRH.....EEQREDEKYEERKKEEDN 69

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

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Searched:      174772 seqs, 17957048 residues
Total number of hits satisfying chosen parameters: 174772

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Minimum DB seq length: 0
Maximum DB seq length: 20000000000
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Post-processing: Minimum Match 0%
                  Maximum Match 100%
                  Listing first 45 summaries
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Database : Issued_Patents_AA:*
1: /cgn2_6/prodata/2/iaa/5A.COMB.pep.*
2: /cgn2_6/prodata/2/iaa/5B.COMB.pep.*
3: /cgn2_6/prodata/2/iaa/6.COMB.pep.*
4: /cgn2_6/prodata/2/iaa/PCrUS.COMB.pep.*
5: /cgn2_6/prodata/2/iaa/backfilest.pep.*
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Pred. NO. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	175	45.6	566	1	US-07-955-905A-2	Sequence 2, Appl
2	175	45.6	566	1	US-07-955-905A-22	Sequence 22, Appl
3	142.5	37.1	587	1	US-07-955-905A-23	Sequence 23, Appl
4	113	29.4	1898	1	US-08-056-200-94	Sequence 94, Appl
5	113	29.4	1898	2	US-08-800-644-94	Sequence 94, Appl
6	111	28.9	1162	2	US-08-728-323A-2	Sequence 2, Appl
7	90.5	23.6	740	1	US-08-257-073-5	Sequence 5, Appl
8	88.5	23.0	303	1	US-08-109-919A-2	Sequence 2, Appl
9	88.5	23.0	303	1	US-08-459-019A-2	Sequence 2, Appl
10	88.5	23.0	303	2	US-08-460-428A-2	Sequence 2, Appl
11	88.5	23.0	303	3	US-08-468-860A-2	Sequence 2, Appl
12	87.5	22.8	905	2	US-08-574-959A-9	Sequence 9, Appl
13	87.5	22.8	1135	2	US-08-574-959A-9	Sequence 9, Appl
14	87	22.7	432	2	US-08-933-750C-47	Sequence 47, Appl
15	87	22.7	432	2	US-09-234-613-47	Sequence 47, Appl
16	86	22.4	344	5	5210183-2	Patent No. 5210183-2
17	86	22.4	683	5	5210183-3	Patent No. 5210183-3
18	84.5	22.0	186	2	US-08-557-309B-43	Sequence 43, Appl
19	84.5	22.0	186	3	US-08-834-306-43	Sequence 43, Appl
20	83.5	21.7	605	1	US-07-955-905A-24	Sequence 24, Appl
21	79.5	20.7	288	2	US-08-961-858-6	Sequence 6, Appl
22	79.5	20.7	288	3	US-09-089-593-6	Sequence 6, Appl
23	79.5	20.7	288	3	US-08-950-925-4	Sequence 4, Appl
24	77.5	20.2	312	1	US-08-265-440-4	Sequence 4, Appl
25	77.5	20.2	312	1	US-08-630-349-4	Sequence 4, Appl
26	77.5	20.2	532	1	US-08-285-440-5	Sequence 5, Appl
27	77.5	20.2	532	1	US-08-680-349-6	Sequence 5, Appl
28	77.5	20.2	538	1	US-08-285-440-6	Sequence 6, Appl

ALIGNMENTS

29	77.5	20.2	558	1	US-08-630-349-6	Sequence 6, Appl
30	77.5	20.2	788	2	US-08-918-914-4	Sequence 4, Appl
31	77	20.1	357	1	US-08-612-866-5	Sequence 5, Appl
32	77	20.1	357	1	US-08-361-808A-5	Sequence 5, Appl
33	77	20.1	357	4	PCT-US95-16806A-5	Sequence 5, Appl
34	76.5	19.9	571	1	US-07-955-903A-25	Sequence 25, Appl
35	76	19.8	376	5	5180810-1	Patent No. 5180810
36	76	19.8	614	4	PCT-US95-03236-21	Sequence 21, Appl
37	74	19.3	83	1	US-08-253-155A-8	Sequence 8, Appl
38	74	19.3	360	2	US-08-531-927B-2	Sequence 2, Appl
39	74	19.3	450	2	US-08-666-063-2	Sequence 2, Appl
40	74	19.3	450	2	US-08-666-063-2	Sequence 2, Appl
41	74	19.3	450	2	US-08-732-870-2	Sequence 2, Appl
42	74	19.3	700	2	US-08-568-459A-10	Sequence 10, Appl
43	74	19.3	700	2	US-08-487-828B-10	Sequence 10, Appl
44	74	19.3	2182	2	US-08-487-828B-15	Sequence 15, Appl
45	73.5	19.1	1312	2	US-08-592-126-148	Sequence 148, Appl

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Query Match	45.6%;	Score 175;	DB 1;	Length 566;
Best Local Similarity	32.4%;	Pred. No. 7e-10;		
Matches	33;	Conservative	19;	Mismatches 14;
				Indels 36;
				Gaps 23;

[illegible]

RESULT 2
 US-07-955-905A-22
 : Sequence 22, Application US/07955905A
 : Patent No. 5770433
 :
 : GENERAL INFORMATION:
 :
 : APPLICANT:
 :
 : TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
 : TITLE OF INVENTION: PRECURSOR
 : NUMBER OF SEQUENCES: 28
 :
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk

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1  COMPUTER: IBM PC compatible
2  OPERATING SYSTEM: PC-DOS/MS-DOS
3  SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
4  CURRENT APPLICATION DATA:
5  APPLICATION NUMBER: US/07/955,905A
6  FILING DATE: 21-JAN-1993
7  CLASSIFICATION: 435
8  INFORMATION FOR SEQ ID NO: 22:
9  SEQUENCE CHARACTERISTICS:
10     LENGTH: 566 amino acids
11     TYPE: amino acid
12     TOPOLOGY: linear
13     MOLECULE TYPE: protein
14     ORIGINAL SOURCE:
15     ORGANISM: Theobroma cacao
16     FEATURE:
17     NAME/KEY: Protein
18     LOCATION: 1..566
19     OTHER INFORMATION: /note= "67 kD Precursor Protein"
20  US-07-955-905A-22

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Query Match	45.68;	Score 175;	DB 1;	Length 566;
Best Local Similarity	32.48;	Pred. No. 7e-10;		
Matches 33;	Conservative 19;	Mismatches 14;	Indels 36;	Gaps 2

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QY      3 QRDPRQYYEQCCRCQRHETEPRHMTQCQRCERRYEKEKKRQQ-----466
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DB     35 ERDPROYYEQCCRCSEATEERQEOCEGCRCEREKVEKQROOEELHQYQQCGRCQE 948

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QY 47 -----KRTEEQQREDEEY---ERMKEED 68  
      ::|||:: | | : ||:  
Db 95 QQGQRDDQCCKRCWEYKKEQGEHEHNNHKNRSEEE 136
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RESULT 3
US-07-955-905A-23

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1      TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
2      TITLE OF INVENTION: PRECURSOR
3      NUMBER OF SEQUENCES: 28
4      COMPUTER READABLE FORM:
5      MEDIUM TYPE: Floppy disk
6      COMPUTER: IBM PC compatible
7      OPERATING SYSTEM: PC-DOS/MS-DOS
8      SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
9      CURRENT APPLICATION DATA:
10     APPLICATION NUMBER: US/07/955,905A
11     FILING DATE: 21-JAN-1993
12     CLASSIFICATION: 435
13     INFORMATION FOR SEQ. ID NO: 23:
14     SEQUENCE CHARACTERISTICS:
15     LENGTH: 587 amino acids
16     TYPE: amino acid
17     TOPOLOGY: linear
18     MOLECULE TYPE: protein
19     ORIGINAL SOURCE:
20     ORGANISM: Gossypium hirsutum
21     FEATURE:
22     NAME/KEY: Protein
23     LOCATION: 1..587
24     OTHER INFORMATION: /note="Vicillin from G. hirsutum"
25     OS-07-955-905A-23

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Query Match	37.1%;	Score 142.5;	DB 1;	Length 587;
Best Local Similarity	31.5%;	Pred. No. 9.9e-07;		
Matches 28;	Conservative 23;	Mismatches 15;	Indels 23;	Gaps 3;

QY 1 NRQRDPQQYECCQERCQRHETEPHMQTCQRCERYEKERKQKRYEQR----- 54

[illegible]

RESULT 4
US-08-056-200-94
; Sequence 94, Application US/08056200
; Patent No. 5616500

GENERAL INFORMATION:
APPLICANT: Steiner, Peter M.
APPLICANT: Lee, Seung-Chul
APPLICANT: Kim, In-Gyu
APPLICANT: Chung, Soo-Il
APPLICANT: Park, Sang-Chul
TITLE OF INVENTION: Trichopolyin and Transglutaminase-3 and
TITLE OF INVENTION: Methods of using Same
NUMBER OF SEQUENCES: 117
CORRESPONDENCE ADDRESS:

ADDRESS: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive, Sixteenth Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.

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? ZIP: 92660
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: PatentIn Release #1.0, Version #1.25
? CURRENT APPLICATION DATA: 00000000000000000000000000000000

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APPLICATION NUMBER: US/08/056,200
FILING DATE: 30-APR-1993

CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:

NAME: Fedrick, Michael F.
REGISTRATION NUMBER: 36,799

REFERENCE/DOCKET NUMBER: NIH054.001A
TELECOMMUNICATION INFORMATION:

TELEPHONE: (714) 760-0404
TELEFAX: (714) 760-9502

```

; INFORMATION FOR SEQ ID NO: 9
; SEQUENCE CHARACTERISTICS:

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; LENGTH: 1898 ami
; TYPE: amino acid
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;      TOPOLOGY: linear
;      MOLECULE TYPE: protein
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US-08-056-200-94

Query Match	29.48; Score 113; DB 1; Length 1898;
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Best Local Similarity	35.38	Pred. NO. 0.0022
Matches	25	Conservative
	22	Mismatches
	20	Indels
	8	Gaps
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Db    468 REGERRDMLKREETERNEHERRKQQLKRDEEERREERLKLLEERERREQORREQOLR 527
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QY 54 REDEEKYEERMKEED 68

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Db      528 REQERRERLKRQE 542
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RESULT 5
US-08-800-644-94

; Sequence 94, Application US/08800644

; Patent No. 5958752

; GENERAL INFORMATION:

APPLICANT: Steinert, Peter M.
APPLICANT: Lee, Seung-Chul

APPLICANT: Lee, Seung-Chul

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: APPLICANT: Kim, In-Gyu
: APPLICANT: Chung, Soo-Il
: APPLICANT: Park, Sang-Chul
: TITLE OF INVENTION: Trichohyalin and Transglutaminase-3 and
: TITLE OF INVENTION: Methods of Using Same
: NUMBER OF SEQUENCES: 117
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Knobbe, Martens, Olson & Bear
: STREET: 620 Newport Center Drive, Sixteenth Floor
: CITY: Newport Beach
: STATE: CA
: COUNTRY: U.S.A.
: ZIP: 92660
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/800,644
: FILING DATE: 14-FEB-1997
: CLASSIFICATION: 424
: PRIORITY APPLICATION DATA:
: APPLICATION NUMBER: US 08/056,200
: FILING DATE: 30-APR-1993
: ATTORNEY/AGENT INFORMATION:
: NAME: Fedrick, Michael F.
: REGISTRATION NUMBER: 36,799
: REFERENCE/DOCKET NUMBER: NIH054,001A
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (714) 760-0404
: TELEFAX: (714) 760-9502
: INFORMATION FOR SEQ ID NO: 94:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1898 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-08-800-644-94

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Query Match          29.4%; Score 113; DB 2; Length 1898;
Best Local Similarity 33.3%; Pred. No. 0.0022;
Matches 25; Conservative 22; Mismatches 20; Indels 8; Gaps 2;

QY 2 RQDPQOQYECQECORHETEPHMQCQQRCEERYEK-----EKKRQOKRYEEO-Q 53
DB 468 RQDEERDMKKREETERHDEERKQQLKRDQEERRERMLKEEERERQDEERQQLR 527
QY 54 RDEDEKYEERMKED 68
DB 528 RQDEERREQLKRQE 542

RESULT 6
US-08-728-323A-2
: Sequence 2, Application US/08728323A
: Patent No. 5948676
: GENERAL INFORMATION:
: APPLICANT: Chang, Yuan
: APPLICANT: Bohenzky, Roy A.
: APPLICANT: Russo, James J.
: APPLICANT: Edelman, Isidore S.
: APPLICANT: Moore, Patrick S.
: TITLE OF INVENTION: Immediate Early Protein From Kaposi's
: TITLE OF INVENTION: Sarcoma-Associated Herpesvirus, DNA
: NUMBER OF SEQUENCES: 21
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Cooper & Dunham LLP
: STREET: 1185 Avenue of the Americas
: CITY: New York
: STATE: New York

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: COUNTRY: U.S.A.
: ZIP: 10036
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/728,323A
: FILING DATE:
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: White, John P.
: REGISTRATION NUMBER: 28,678
: REFERENCE/DOCKET NUMBER: 0575/52268/JPW/MSK/SKS
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 212-278-0400
: TELEFAX: 212-391-0525
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1162 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-08-728-323A-2

```

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Query Match          28.9%; Score 111; DB 2; Length 1162;
Best Local Similarity 31.3%; Pred. No. 0.0021;
Matches 21; Conservative 26; Mismatches 20; Indels 0; Gaps 0;

QY 2 RQDPQOQYECQECORHETEPHMQCQQRCEERYEKRRQOKRYEEOQREDEKYE 61
DB 680 QQQDEQQDEQQQDEQQDEQQDEQQDEQQDEQQDEQQDEQQDEQQQDEQQQDD 739
QY 62 ERNKED 68
DB 740 EQQQQDE 746

```

```

RESULT 7
US-08-257-073-5
: Sequence 5, Application US/08257073
: Patent No. 5766597
: GENERAL INFORMATION:
: APPLICANT: Paoletti, Enzo
: APPLICANT: de Taisne, Charles
: APPLICANT: Thine, John A.
: TITLE OF INVENTION: MALARIA RECOMBINANT POXVIRUS VACCINE
: NUMBER OF SEQUENCES: 143
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Curtis, Morris & Safford, P.C.
: STREET: 530 Fifth Avenue, 25th Floor
: CITY: New York
: STATE: New York
: COUNTRY: UNITED STATES OF AMERICA
: ZIP: 10036
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/257,073
: FILING DATE: 09-JUN-1994
: CLASSIFICATION: 424
: PRIORITY APPLICATION DATA:
: APPLICATION NUMBER: US 08/075,783
: FILING DATE: 11-JUN-1993
: PRIORITY APPLICATION DATA:
: APPLICATION NUMBER: US 07/852,305
: FILING DATE: 18-MAR-1992
: PRIORITY APPLICATION DATA:

```


TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-574-959A-9

Query Match 22.8%; Score 87.5; DB 2; Length 905;
Best Local Similarity 25.0%; Pred. No. 0.3;
Matches 17; Conservative 23; Mismatches 27; Indels 1; Gaps 1;

QY 1 NRQRPDQOYECQRCORHETPRHMTCCQRCRRYKRRKQKRYEEOQRDEEKY 60
DB 648 NUNSDDEEEEGCEEEEEEEEEEEEEEEEEEEEEDEEEDEBEYFEEBE-EEEF 706

QY 61 EERAKED 68
DB 707 EEEFEEEE 714

RESULT 13
US-08-574-959A-7
Sequence 7, Application US/08574959A
Patent No. 5962224

GENERAL INFORMATION:

APPLICANT: Jaekyoon Shin, Insil Joung, Ratna K. Vadlamudi
APPLICANT: and Jack L. Strominger
TITLE OF INVENTION: p62 POLYPEPTIDES, RELATED POLYPEPTIDES
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:

ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, Suite 510
CITY: Boston
STATE: Massachusetts
COUNTRY: USA

ZIP: 02109-1875

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/574,959A

FILING DATE: 19-DEC-95

ATTORNEY/AGENT INFORMATION:

NAME: Mandragouras, Amy E.

REGISTRATION NUMBER: 36,207

REFERENCE/DOCKET NUMBER: DFN-008

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617)227-7400

TELEFAX: (617)227-5941

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 1135 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-574-959A-7

Query Match 22.8%; Score 87.5; DB 2; Length 1135;
Best Local Similarity 25.0%; Pred. No. 0.38;
Matches 17; Conservative 23; Mismatches 27; Indels 1; Gaps 1;

QY 1 NRQRPDQOYECQRCORHETPRHMTCCQRCRRYKRRKQKRYEEOQRDEEKY 60
DB 878 NUNSDDEEEEGCEEEEEEEEEEEEEEEEEEEEEDEEEDEBEYFEEBE-EEEF 936

QY 61 EERAKED 68
DB 937 EEEFEEEE 944

RESULT 14
US-08-933-750C-47
Sequence 47, Application US/08933750C
Patent No. 5932442

GENERAL INFORMATION:

APPLICANT: Lal, Preeti

APPLICANT: Hillman, Jennifer L.

APPLICANT: Bandman, Olga

APPLICANT: Shah, Purvi

APPLICANT: Au-Young, Janice

APPLICANT: Yue, Henry

APPLICANT: Guegler, Karl J.

APPLICANT: Corley, Neil C.

TITLE OF INVENTION: HUMAN REGULATORY MOLECULES

NUMBER OF SEQUENCES: 98

CORRESPONDENCE ADDRESS:

ADDRESSEE: Incyte Pharmaceuticals, Inc.

STREET: 3174 Porter Drive

CITY: Palo Alto

STATE: CA

COUNTRY: USA

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/933,750C

FILING DATE: September 23, 1997

CLASSIFICATION: 536

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J.

REGISTRATION NUMBER: 36,749

REFERENCE/DOCKET NUMBER: PR-0356 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-855-0555

TELEFAX: 415-845-4166

TELEX:

INFORMATION FOR SEQ ID NO: 47:

SEQUENCE CHARACTERISTICS:

LENGTH: 432 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: TLIYNOT04

CLONE: 2926777

US-08-933-750C-47

Query Match 22.7%; Score 87; DB 2; Length 432;
Best Local Similarity 29.3%; Pred. No. 0.16;
Matches 17; Conservative 19; Mismatches 14; Indels 8; Gaps 1;

QY 11 ECGQRCORHETPRHMTCCQRCRRYKRRKQKRYEEOQRDEEYERAKED 68
DB 228 EELKRLKRTEEDPDR-----DERLKKQKRRERERERERERERERRRREE 277

RESULT 15
US-09-234-613-47
Sequence 47, Application US/09234613
Patent No. 6132973

GENERAL INFORMATION:
APPLICANT: Lal, Preeti
APPLICANT: Hillman, Jennifer L.
APPLICANT: Bandman, Olga
APPLICANT: Shah, Purvi
APPLICANT: Au-Young, Janice

